

## **AMENDMENTS TO THE SPECIFICATION**

Please amend the paragraph beginning at page 9, line 15 as follows:

A spanning tree is determined from the reduced graph 406 upon determining that the graph is not disconnected. The spanning tree is constructed having a desirable throughput, e.g., a spanning tree having a maximum throughput among all possible configurations of the spanning tree. A violation index  $V(i)$  is determined for each node  $i$  which is defined as  $\text{target } B/a(i) * f(i)$  501. If it is determined that a node has a positive violation index 502, set  $\text{min}B = \text{target}B$  503. Upon determining that the node has a positive violation index, the target bandwidth is redefined 503. Upon determining that no node has a positive violation index, the node in the spanning tree that has the largest violation index is determined 504. A triangular improvement is applied to reduce the violation index of the node 505. If the violation index of the node is determined to not have been reduced set  $\text{max}B = \text{target}B$  506, ~~and~~ the target bandwidth is redefined ~~506~~ 507. Upon determining that the violation index of the node has been reduced 506, the violation index of a next node is determined 501.